

Amendments to the Claims

Claim 1 (**Currently Amended**) An optical information recording medium, comprising:

a signal substrate that has a center hole and at least a signal face formed on one of the faces thereof ~~with a center hole~~ of the signal substrate;

a center substrate that is placed located in a manner ~~so as~~ to seal the center hole and ~~to be~~ made flat flush with the signal face of the ~~signal-substrate~~ substrate, the center substrate having a thickness that is equal to or greater than a thickness of the signal substrate and not greater than 1.2mm; and

a transparent layer that is formed on the signal face of the signal substrate and at least one portion of the center substrate,

wherein the center substrate includes a means ~~used~~ for carrying out a clamping ~~process~~ provided in the center-substrate process.

Claim 2 (**Canceled**)

Claim 3 (**Previously Presented**) The optical information recording medium according to claim 1, wherein the transparent layer is formed through processes in which a photocurable resin is applied to the center substrate and drawn to expand thereon through spinning rotations.

Claim 4 (**Previously Presented**) The optical information recording medium according to claim 1, wherein the center substrate and the signal substrate are bonded to each other by using a photocurable resin.

Claim 5 (**Currently Amended**) The optical information recording medium according to claim 1, wherein the signal substrate and the center substrate are melted by heat and bonded to each other ~~on the~~ a side opposite to the signal face of the signal substrate.

Claim 6 (**Currently Amended**) The optical information recording medium according to claim 1, wherein ~~the~~ a joining portion of the signal substrate and the center substrate is made of the same material.

Claim 7 (**Currently Amended**) The optical information recording medium according to Claim 1, wherein ~~the~~ an end face of the center hole of the signal substrate and ~~the~~ an end face of the center substrate are ~~formed into tapered shapes~~ tapered.

Claim 8 (**Currently Amended**) The optical information recording medium according to claim 1, wherein ~~the~~ an end face of the center hole of the signal substrate and ~~the~~ an end face of the center substrate are ~~formed into~~ as faces, each having concavities and convexities.

Claim 9 (**Previously Presented**) The optical information recording medium according to claim 1, wherein a material forming the center substrate is a magnetic material or a material containing a magnetic material.

Claim 10 (**Currently Amended**) The optical information recording medium according to claim 1, ~~wherein further comprising a clamp-unit, unit~~ formed in the center substrate, ~~contains the~~ clamp unit containing a material having a thermal conductivity of not less than 10 W/mK.

Claim 11 (**Currently Amended**) The optical information recording medium according to claim 1, wherein the center substrate has a reflective layer ~~is formed on a face thereof, the face of~~ ~~on~~ the center substrate ~~that forms the same face as~~ being adjacent to the signal face of the signal substrate.

Claim 12 (**Currently Amended**) The optical information recording medium according to claim 1, wherein ~~the same material as~~ an information recording material formed on the signal face of the signal substrate is a same material as formed on the center substrate that forms the same face as the signal face of the signal substrate.

Claim 13 (**Currently Amended**) The optical information recording medium according to claim 1, ~~wherein further comprising a clamp portion, used for rotating the disk, is~~ provided on the side opposite to the signal face of the signal substrate.

Claim 14 (**Currently Amended**) The optical information recording medium according to claim 1, wherein the ~~clamping~~ means provided in the center substrate is a through hole, and ~~the a~~ size of the through hole is ~~made~~ smaller than ~~the a~~ minimum outer diameter of the center substrate.

Claim—15 (**Currently Amended**) A ~~manufacturing apparatus, which is a manufacturing apparatus for an optical information recording medium that comprises a signal substrate that has a signal face formed on at least one of the faces thereof with a center hole, a center substrate that is placed in a manner so as to seal the center hole and to be made flat with the signal face of the signal substrate, an information recording layer that is at least formed on the signal face of the signal substrate and a transparent layer that is formed on the signal face of the signal substrate and at least one portion of the center substrate, and has a structure in which a means used for carrying out a clamping process is provided in the center substrate, at least medium, the manufacturing apparatus comprising:~~

a means for inserting ~~the a~~ center substrate, the center substrate including a means for carrying out a clamping process and having a thickness that is equal to or greater than a thickness of a signal substrate and not greater than 1.2mm, into the signal substrate that has a center hole and at least a signal face formed on one of the faces of the signal substrate in a manner ~~so as to~~ seal the center hole and ~~to be made~~ flush with the signal face of the signal substrate ~~having the center hole;~~

a means for spin-rotating the signal substrate and the center substrate on a rotation table in an integrated state, with photocurable resin being dropped on the center substrate, so that the photocurable resin is drawn and expanded; and

a means for curing the photocurable resin into a transparent layer through light irradiation so that the center substrate and the signal substrate are formed into an integral part.

Claim 16 (**Currently Amended**) The manufacturing apparatus for an optical information recording medium according to claim 15, wherein the ~~inserting~~ means for inserting sucks the signal substrate onto the rotation table ~~comprises processes in which~~ after the center substrate has been fixed onto the rotation table, ~~the signal substrate is sucked onto the table.~~

Claim 17 (Currently Amended) The manufacturing apparatus for an optical information recording medium according to claim 15, wherein the center substrate is made of a magnetic material or a material containing a magnetic material, and ~~the inserting means~~ for inserting comprises a means for fixing the center substrate onto the rotation table through a magnetic force and a means for vacuum-sucking the signal substrate onto the rotation table.

Claim 18 (Currently Amended) The manufacturing apparatus for an optical information recording medium according to claim 15, wherein ~~the inserting means~~ for inserting sucks the center substrate onto the rotation table ~~comprises a process in which~~ after the signal substrate has been placed on the rotation table, ~~the center substrate is sucked onto the table.~~

Claim 19 (Currently Amended) The manufacturing apparatus for an optical information recording medium according to claim 15, further comprising:

a means for bonding the center substrate and the signal substrate to each other through a photocurable resin,

wherein a curing process of the photocurable resin for bonding the center substrate and the signal substrate to each other and ~~the~~ a curing process of the photocurable resin of the transparent layer are simultaneously carried out.

Claim 20 (Currently Amended) The manufacturing apparatus for an optical information recording medium according to claim 15, further comprising:

a means for forming an information recording layer after the signal substrate and the center substrate have been formed into ~~an~~ the integral part.

Claim 21 (Previously Presented) The manufacturing apparatus for an optical information recording medium according to claim 15, further comprising:

a means for melting by heat and bonding the signal substrate and the center substrate to each other on the side opposite to the signal face of the signal substrate.

Claim 22 (Original) The manufacturing apparatus for an optical information recording medium according to claim 15, wherein the rotation table has a function for magnetically fixing the center

substrate made of a magnetic material or a material containing a magnetic material and a function for fixing the signal substrate through vacuum suction.

Claim 23 (Currently Amended) The manufacturing apparatus for an optical information recording medium according to claim 15, further comprising:

a means for applying a bonding agent or a photocurable material to ~~the~~ an end face of the center substrate,

wherein the rotation table has a function for sucking the center substrate and the signal substrate.

Claim 24 (Currently Amended) The manufacturing apparatus for an optical information recording medium according to claim 15, further comprising:

a rotation table having a function for sucking one portion of ~~the~~ a face of the transparent layer, and

a melt-bonding means for melting by heat and bonding the center substrate and the signal substrate to each other.